

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE AMERICAN MATHEMATICAL MONTHLY

OFFICIAL JOURNAL OF

THE MATHEMATICAL ASSOCIATION OF AMERICA

DEVOTED TO THE INTERESTS OF COLLEGIATE MATHEMATICS

COMMITTEE ON PUBLICATIONS

R. C. ARCHIBALD W. A. HURWITZ H. E. SLAUGHT ASSOCIATE EDITORS B. F. FINKEL HELEN A. MERRILL HENRY BLUMBERG D. N. LEHMER U. G. MITCHELL DANIEL BUCHANAN H. P. MANNING E. J. MOULTON E. L. DODD R. B. McCLENON D. E. SMITH OTTO DUNKEL

PUBLISHED BY THE ASSOCIATION

The American Mathematical Monthly, founded in 1894 by Benjamin F. Finkel, was published by him until 1913. From 1913 to 1916 it was owned and published by representatives of fourteen Universities and Colleges in the Middle West

ISSUED MONTHLY EXCEPT IN JULY AND AUGUST

LANCASTER, PA., AND PROVIDENCE, R. I.

Entered at the Post Office at Lancaster Pa., as Second Class Matter

\$3.00 a Year, Single Copies 35 cents, to Members; \$4.00 a Year, Single Copies 50 cents, to Others.

CONTENTS

Meeting of the Maryland-Virginia-District of Columbia Section	325
The Growth of the Solar System. By Professor William Duncan Macmillan	326
Cuspidal Rosettes. By Professor William Francis Rigge	332
QUESTIONS AND DISCUSSIONS: "On the Teaching of the First Course in the Calculus" by Professor H. L. Rietz; "The Sign of the Distance in Analytical Geometry" by Professor A. A. Bennett; "Probabilities in the Game of "Shooting Craps" by Mr. B. H. Brown	340
RECENT PUBLICATIONS: Reviews—"Elementary Mathematics for Field Artillery" by Professor A. A. Bennett, etc.; Notes; Articles in Current Periodicals; American Doctoral Dissertations	353
Undergraduate Mathematics Clubs: Club Activities	362
PROBLEMS AND SOLUTIONS: "Note on the Number of Solutions of Linear Indeterminate Equations" by Professor D. N. Lehmer; Problems for Solution; Solutions of Problems	265
Notes and News.	370

EDITORIAL CORRESPONDENCE AND BOOKS FOR REVIEW should be addressed to the EDITOR-IN-CHIEF, R. C. ARCHIBALD, Brown University, Providence, R. I.

BUSINESS CORRESPONDENCE should be addressed to the Secretary-Treasurer of the Association, W. D. Cairns, 27 King Street, Oberlin, Ohio.

JUST PUBLISHED

GENERAL MATHEMATICS

By RALEIGH SCHORLING, The Lincoln School, Columbia University, and WILLIAM D. REEVE, The University of Minnesota

A presentation of the fundamental principles of algebra, geometry, analytics, trigonometry, and practical drawing together with a thorough course in arithmetic. For the first year of the high school or the ninth grade.

These are the lines along which the authors have worked:

- 1. They have greatly reduced the formalism of the traditional firstyear algebra course, and they have emphasized those topics of recognized importance; namely, function, the equation, the formula, and the graph.
 - 2. They have included the important constructions of practical drawing, the fundamental geometric relations, and the fundamental notions of trigonometry.
- 3. They have introduced chapters on statistics, functions, logarithms, and the slide rule.
- 4. Their arrangement stimulates teachers to make supervised study an integral part of the recitation.
- 5. They have made functional thinking the organizing and unifying principle.

GINN AND COMPANY

BOSTON NEW YORK ATLANTA DALLAS

CHICAGO COLUMBUS LONDON SAN FRANCISCO